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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/043,808 | 01/11/2002 | Steven Teig | SPLX.P0008 | 9068 |

23349 7590 07/11/2003

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| EXAMINER |
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NGUYEN, DAO H

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| ART UNIT | PAPER NUMBER |
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2818

DATE MAILED: 07/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

| | | | |
|-----------------|--------------|--------------|-------------|
| Application No. | 10/043,808 | Applicant(s) | TEIG ET AL. |
| Examiner | Dao H Nguyen | Art Unit | 2818 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06 May 2003.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 21-35 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 21-35 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

 If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

 1. Certified copies of the priority documents have been received.

 2. Certified copies of the priority documents have been received in Application No. _____.

 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

 a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). _____ .

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) Other: _____

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DETAILED ACTION

1. In response to the communications dated 05/06/2003, claims 21-35 are active in this application.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and /or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.3.12. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The following amendment has been made upon agreement by applicant during a telephone conversation with Mr. Jeffrey A. McKinney on April 30, 2003: In the specification, after paragraph [0088], the redundant phrases:

"Claims

[c1]

1. An integrated circuit comprising:"
has been cancelled.

Remarks

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3. During a telephone conversation with Mr. Jeffrey A. McKinney on April 30, 2003, Mr. McKinney revealed that redundant phrases at the end of the Detailed Description, after paragraph [0088] could not be found in electronic copy of the Application, and requested for an Examiner Amendment to cancel such redundant phrases presented in the hard copy of the Application. In response to Applicant's request, the amendment has been made above.

In addition, Applicant's argument(s), see Paper No. 8, filed 05/06/2003, with respect to claim(s) 21-35, have been fully considered, but they are not persuasive. Examiner does not agree with the argument that "Glenn's invention concerns a package, ..., not an integrated circuit *per se*". As stated in the Merriam-Webster's Collegiate Dictionary (tenth edition), "integrated circuit" is "a tiny complex of electronic components and their connections that is produced in or on a small slice of material". Figures 7-9, and 13b of Glenn show a device having tiny complex of electronic through holes 14, contacts 27, ends 26a, and balls 28, which are absolutely electronic components, and also metallization connections between ends 26a and ball 28. These electronic components and connections are produced in and on a small slice of material 13. Therefore, by definition of the Merriam-Webster's Collegiate Dictionary, the device as shown in figures 7-9 and 13b of Glenn is an integrated circuit.

For this reason, the rejection of the pending claims in the previous Office Action, in light of the above remarks, is not withdrawn.

Conclusion

4. **THIS ACTION IS MADE FINAL.** A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dao Nguyen whose telephone number is (703) 305-1957. The examiner can normally be reached on Monday-Friday 9:00am - 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (703) 308-4910. The fax numbers for Customer Service is (703) 872-9317, for the organization where this application proceeding is assigned is (703) 872-9318 for regular (Before Final) communications or (703) 872-9319 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Dao H. Nguyen
Art Unit 2818
June 30, 2003



David Neims
Supervisory Patent Examiner
Technology Center 2800